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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/727,311

DATE: 03/13/2001  
TIME: 03:01:04

INPUT SET: S36490.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1 (1) General Information:

2 (i) APPLICANT: Huse, William D.

3 (ii) TITLE OF INVENTION: SURFACE EXPRESSION LIBRARIES OF  
4 RANDOMIZED PEPTIDES

5 (iii) NUMBER OF SEQUENCES: 61

6 (iv) CORRESPONDENCE ADDRESS:

7 (A) ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
8 (B) STREET: 444 South Flower Street, Suite 2000  
9 (C) CITY: Los Angeles  
10 (D) STATE: California  
11 (E) COUNTRY: United States  
12 (F) ZIP: 90071

13 (v) COMPUTER READABLE FORM:

14 (A) MEDIUM TYPE: Floppy disk  
15 (B) COMPUTER: IBM PC compatible  
16 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
17 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

18 (vi) CURRENT APPLICATION DATA:

19 (A) APPLICATION NUMBER: 09/727,311  
20 (B) FILING DATE:  
21 (C) CLASSIFICATION:

22 (vii) PRIOR APPLICATION DATA:

23 (A) APPLICATION NUMBER: 07/767,436  
24 (B) FILING DATE:

25 (viii) ATTORNEY/AGENT INFORMATION:

26 (A) NAME: Campbell, Cathryn A  
27 (B) REGISTRATION NUMBER: 31,815  
28 (C) REFERENCE/DOCKET NUMBER: P31 9072

29 (ix) TELECOMMUNICATION INFORMATION:

30 (A) TELEPHONE: (619) 535-9001  
31 (B) TELEFAX: (619) 535-8949

32 (2) INFORMATION FOR SEQ ID NO:1:

INPUT SET: S36490.raw

47  
48 (i) SEQUENCE CHARACTERISTICS:  
49 (A) LENGTH: 7294 base pairs  
50 (B) TYPE: nucleic acid  
51 (C) STRANDEDNESS: both  
52 (D) TOPOLOGY: circular  
53  
54  
55

56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

57  
58 AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTCAAG CTCGCGCCCC AAATGAAAAT 60  
59  
60 ATAGCTAAC ACAGTTATTGA CCATTGCGA AATGTATCTA ATGGTCAAAC TAAATCTACT 120  
61  
62 CGTTCGCAGA ATTGGGAATC AACTGTTACA TGGAATGAAA CTTCCAGACA CCGTACTTTA 180  
63  
64 GTTGCATATT TAAAACATGT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA 240  
65  
66 TCTGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTCTCTAA TCCTGACCTG 300  
67  
68 TTGGAGTTG CTTCCGGTCT GGTTCGCTT GAAGCTCGAA TTAAAACGCG ATATTGAAG 360  
69  
70 TCTTCGGGC TTCCTCTTAA TCTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAATAGT 420  
71  
72 CAGGGTAAAG ACCTGATTG TGATTATGG TCATTCTCGT TTTCTGAAC GTTTAAAGCA 480  
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74 TTTGAGGGGG ATTCAATGAA TATTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT 540  
75  
76 AAACATTTTA CTATTACCCC CTCTGGCAAA ACTTCTTTG CAAAAGCCTC TCGCTATT 600  
77  
78 GGTTTTATC GTCGTCTGGT AAACGAGGGT TATGATAGTG TTGCTCTTAC TATGCCTCGT 660  
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80 AATTCCCTTT GGCGTTATGT ATCTGCATTA GTTGAATGTG GTATTCTAA ATCTCAACTG 720  
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82 ATGAATCTTT CTACCTGTAA TAATGTTGTT CCGTTAGTTC GTTTTATTAA CGTAGATT 780  
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84 TCTTCCCAAC GTCCTGACTG GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA 840  
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86 CAATGATTAA AGTTGAAATT AAACCATCTC AAGCCCAATT TACTACTCGT TCTGGTGT 900  
87  
88 CTCGTCAGGG CAAGCCTTAT TCACGTAAATG AGCAGCTTG TTACGTTGAT TTGGGTAATG 960  
89  
90 AATATCCGGT TCTTGTCAAG ATTACTCTTG ATGAAGGTCA GCCAGCCTAT GCGCCTGGTC 1020  
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92 TGTACACCGT TCATCTGTCC TCTTCAAAG TTGGTCAGTT CGGTTCCCTT ATGATTGACC 1080  
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94 GTCTGCGCCT CGTTCCGGCT AAGTAACATG GAGCAGGTG CGGATTCGA CACAATTAT 1140  
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96 CAGGCGATGA TACAAATCTC CGTTGTACTT TGTTTCGCGC TTGGTATAAT CGCTGGGGGT 1200  
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98 CAAAGATGAG TGTTTAGTG TATTCTTCG CCTCTTCGT TTTAGGTTGG TGCCTTCGTA 1260  
99

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103	CGATCCCGCA AAAGCGGCCT TTAACTCCCT GCAAGCCTCA GCGACCGAAT ATATCGGTTA	1440
105	TGCGTGGGCG ATGGTTGTTG TCATTGTCGG CGCAACTATC GGTATCAAGC TGTTTAAGAA	1500
107	ATTCACCTCG AAAGCAAGCT GATAAACCGA TACAATTAAA GGCTCCTTT GGAGCCTTT	1560
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115	CTGTGGAATG CTACAGGCCT GTAGTTGT ACTGGTGACG AACACTAGTG TTACGGTACA	1800
117	TGGGTTCCCTA TTGGGCTTGC TATCCCTGAA AATGAGGGTG GTGGCTCTGA GGGTGGCGGT	1860
119	TCTGAGGGTG GCGGTTCTGA GGGTGGCGGT ACTAACCTC CTGAGTACGG TGATACACCT	1920
121	ATTCCGGGCT ATACTTATAT CAACCCCTCTC GACGGCACTT ATCCGCCTGG TACTGAGCAA	1980
123	AACCCCGCTA ATCCTAACCTC TTCTCTTGAG GAGTCTCAGC CTCTTAATAC TTTCATGTTT	2040
125	CAGAATAATA GGTTCCGAAA TAGGCAGGGG GCATTAACGT TTTATACGGG CACTGTTACT	2100
127	CAAGGCACTG ACCCCGTTAA AACTTATTAC CAGTACACTC CTGTATCATC AAAAGCCATG	2160
129	TATGACGCTT ACTGGAACGG TAAATTCAGA GACTGCGCTT TCCATTCTGG CTTTAATGAA	2220
131	GATCCATTCTG TTTGTGAATA TCAAGGCCAA TCGTCTGACC TGCCCTCAACC TCCTGTCAAT	2280
133	GCTGGCGGCG GCTCTGGTGG TGGTCTGGT GGCGGCTCTG AGGGTGGTGG CTCTGAGGGT	2340
135	GGCGGTTCTG AGGGTGGCGG CTCTGAGGGG GGCGGTTCCG GTGGTGGCTC TGGTTCCGGT	2400
137	GATTTGATT ATGAAAAGAT GGCAAACGCT AATAAGGGGG CTATGACCGA AAATGCCGAT	2460
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143	GGTGATTTG CTGGCTCTAA TTCCCAAATG GCTCAAGTCG GTGACGGTGA TAATTACACCT	2640
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151	TTTGCTAACAA TACTGCGTAA TAAGGAGTCT TAATCATGCC AGTTCTTTG GGTATTCCGT	2880
152		

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153	TATTATTGCG	TTTCCTCGGT	TTCCCTCTGG	TAACTTGTT	CGGCTATCTG	CTTACTTTTC	2940
154	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTCATT	GTTTCTTGCT	CTTATTATTG	3000
155	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
156	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCGT	CTAATGCGCT	TCCCTGTTT	TATGTTATTC	3120
157	TCTCTGTAAA	GGCTGCTATT	TTCATTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTG	3180
158	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
159	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAT	AGCAACTAAT	3300
160	CTTGATTTAA	GGCTTCAAAA	CCTCCGCAA	GTCGGGAGGT	TCGCTAAAC	GCCTCGCGTT	3360
161	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGCG	CGGTAATGAT	3420
162	TCCTACGATG	AAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCAGTAC	TTGGTTAAT	3480
163	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTCT	ACATGCTCGT	3540
164	AAATTAGGAT	GGGATATTAT	CTTCCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
165	CGTTCTGCAT	TAGCTGAACA	TGTTGTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
166	TTTGTGGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
167	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
168	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAACACAGG	CTTTTCTAG	TAATTATGAT	3840
169	TCCGGTGT	TTTCTTATTT	AAACGCCCTAT	TTATCACACG	GTCGGTATTT	CAAACCATT	3900
170	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTGTA	AAAAGTTTC	ACGCGTTCTT	3960
171	TGTCTGCGA	TTGGATTGC	ATCAGCATT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
172	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTGATA	AATTCACTAT	TGACTCTTCT	4080
173	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
174	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTCC	4200
175	ATTAAGGAA	TAATTCAAAT	GAAATTGTTA	AATGTAATTA	ATTTGTTTT	CTTGATGTTT	4260
176	GTTTCATCAT	CTTCTTTGC	TCAGGTAATT	GAAATGAATA	ATTGCCCTCT	GCGCGATTT	4320
177	GTAACTTGGT	ATTCAAAGCA	ATCAGGCAGA	TCCGTTATTG	TTTCTCCCGA	TGTAAAAGGT	4380
178	ACTGTTACTG	TATATTCATC	TGACGTTAAA	CCTGAAAATC	TACGCAATT	CTTTATTCT	4440
179	205						

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206	GTTTTACGTG CTAATAATTT TGATATGGTT GGTTCAATTC CTTCCATTAT TTAGAAGTAT	4500
207	AATCCAAACA ATCAGGATTA TATTGATGAA TTGCCATCAT CTGATAATCA GGAATATGAT	4560
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209	TTTAAAATTA ATAACGTTCG GGCAAAGGAT TTAATACGAG TTGTCGAATT GTTGTAAAG	4680
210	TCTAATACCTT CTAAATCCTC AAATGTATTA TCTATTGACG GCTCTAATCT ATTAGTTGTT	4740
211	AGTGCACCTA AAGATATTTT AGATAACCTT CCTCAATTCC TTTCTACTGT TGATTTGCCA	4800
212	ACTGACCAGA TATTGATTGA GGGTTTGATA TTTGAGGTT AGCAAGGTGA TGCTTTAGAT	4860
213	TTTCATTTG CTGCTGGCTC TCAGCGTGGC ACTGTTGCAG GCGGTGTTAA TACTGACCGC	4920
214	CTCACCTCTG TTTTATCTTC TGCTGGTGGT TCGTTCGTA TTTTAATGG CGATGTTTA	4980
215	GGGCTATCAG TTCGCGCATT AAAGACTAAT AGCCATTCAA AAATATTGTC TGTGCCACGT	5040
216	ATTCTTACGC TTTCAGGTCA GAAGGGTTCT ATCTCTGTTG GCCAGAATGT CCCTTTATT	5100
217	ACTGGTCGTG TGACTGGTGA ATCTGCCAAT GTAAATAATC CATTTCAGAC GATTGAGCGT	5160
218	CAAAATGTAG GTATTTCCAT GAGCGTTTT CCTGTTGCAA TGGCTGGCGG TAATATTGTT	5220
219	CTGGATATTA CCAGCAAGGC CGATAGTTG AGTTCTCTA CTCAGGCAAG TGATGTTATT	5280
220	ACTAAATCAA GAAGTATTGC TACAACGGTT AATTGCGTG ATGGACAGAC TCTTTACTC	5340
221	GGTGGCCTCA CTGATTATAA AAACACTTCT CAAGATTCTG GCGTACCGTT CCTGTCTAAA	5400
222	ATCCCTTAA TCGGCCTCCT GTTTAGCTCC CGCTCTGATT CCAACGAGGA AAGCACGTTA	5460
223	TACGTGCTCG TCAAAGCAAC CATACTACGC GCCCTGTAGC GGCGCATTAA GCGCGGCGGG	5520
224	TGTGGTGGTT ACGCGCAGCG TGACCGCTAC ACTTGCCAGC GCCCTAGCGC CCGCTCCTTT	5580
225	CGCTTCTTC CCTTCCTTTC TCGCCACGTT CGCCGGCTTT CCCCCTCAAG CTCTAAATCG	5640
226	GGGGCTCCCT TTAGGGTTCC GATTAGTGC TTTACGGCAC CTCGACCCCA AAAAAGTTGA	5700
227	TTTGGGTGAT GGTCACGTA GTGGGCCATC GCCCTGATAG ACGGTTTTTC GCCCTTGAC	5760
228	GTTGGAGTCC ACGTTCTTA ATAGTGGACT CTTGTTCAA ACTGGAACAA CACTCAACCC	5820
229	TATCTCGGGC TATTCTTTG ATTTATAAGG GATTGGCCCG ATTCGGAAC CACCATCAA	5880
230	CAGGATTTTC GCCTGCTGGG GCAAACCAAGC GTGGACCGCT TGCTGCAACT CTCTCAGGGC	5940
231	CAGGCGGTGA AGGGCAATCA GCTGTTGCCG GTCTCGCTGG TGAAAAGAAA AACCAACCTG	6000
232	GCGCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCAATTAT GCAGCTGGCA	6060

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